

## **Iso-Flex Precom H-SL**

### **Horizontal Joint Seal**

#### **PRODUCT OVERVIEW**

Iso-Flex Precom "H-SL" is a silicone faced, precompressed foam seal used to fill horizontal construction joints. Precom "H-SL" has a broad range of applications allowing it to seal against weather, moisture, vapor, air, sound and dust. The internal recovery force allows it to function in stationary and movement joints between similar and dissimilar materials in a wide range of temperatures. Precom "H-SL" adjusts to variations of contour of materials forming the joint, provided such profile changes are not sudden or extreme. Full width of seal must remain under compression in order to provide for a watertight solution. Ideal applications include parking garages, bridge joints, plaza decks, and other joints that require a joint sealing solution. Precom "H-SL" is resistant to gasoline, diesel fuel, solvents, salts, and acids. Contact manufacturer for specific chemical resistance requirements.

#### **PRODUCT ADVANTAGES**

- Design to meet the requirements of horizontal applications
- Allows up to 100% joint movement (+/-50%)
- Precompressed for ease of installation
- Excellent compression recovery
- Factory applied traffic grade silicone

#### **LIMITATIONS**

- Measure joint gaps every 5 Ft to ensure proper sizing
- Installation range is -10°F to 95°F
- Store material at room temperature
- Store material in a dry area out of direct sunlight
- Do not install in wet conditions
- Do not use scrap material
- Do not unwrap material until ready to install
- Not intended for joints requiring pick resistance

#### **DESCRIPTION**

Precom "H-SL" is composed of polyurethane, micro-cell foam impregnated with a hydrophobic, modified polymer sealant compound that is UV stable and chemically resistant. Precom "H-SL" is factory coated with a traffic grade silicone facing. Working under its own constant internal pressure Precom "H-SL" is permanently resilient and will expand and contract with the movement of the joint under any weather condition. Precom "H-SL" is supplied in precompressed, self-adhesive stick lengths to allow for ease of installation

#### **INSTALLATION**

Surfaces to be sealed must be sound, dry, clean and free of oil, grease, laitance, rust and other foreign material that would prevent proper adhesion. Bonding surfaces should be sandblasted or abraded with mechanical grinders. Precom "H-SL" is epoxy bonded in place. Complete installation information is available from LymTal International, Inc.

#### **SHORT FORM SPECIFICATION:**

Seal shall be Precom "H-SL" as manufactured by LymTal International, Inc., 4150 S. Lapeer Rd., Lake Orion, MI, 48359. Seal shall be high density, open micro-cell polyurethane foam impregnated with a modified polymer-sealing compound, with traffic grade silicone facing that meets ASTM 518, ASTM 283, and DIN 18542. Seal shall be installed in a pre-compressed state and at the proper size for the selected seal.

#### **WARRANTY:**

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

**LymTal International, Inc.**

4150 South Lapeer Road • Lake Orion, MI 48359 • Tel (248) 373-8100 • Fax (248) 373-3480 • [www.lymtal.com](http://www.lymtal.com)

**TECHNICAL SERVICES**

Analysis of particular project requirements and recommendations for the proper use of Precom "H-SL" are available from the manufacturer and local representatives. Call 248-373-8100 or fax your detail to 248-373-3480.

**PHYSICAL CHARACTERISTICS**

Foam Seal

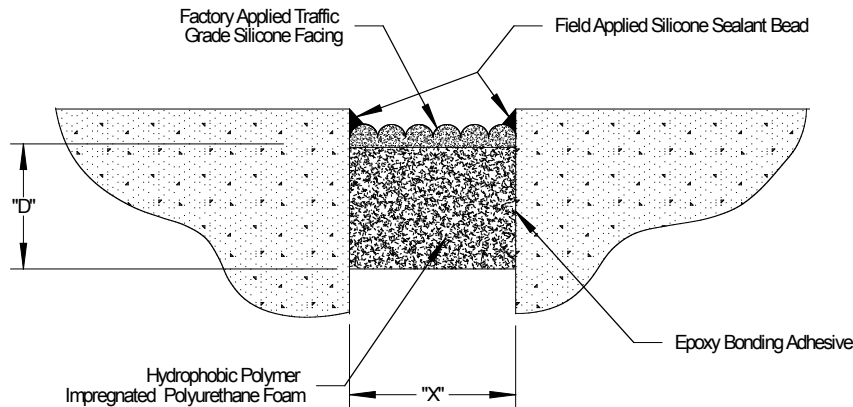
Thermal Conductivity 0.05W/m. °C  
 Thermal Resistance ASTM C518, 3.3, hr-°F-ft<sup>2</sup>/Btu  
 Temp. Stability Range -40°F to 185°  
 Staining/Bleeding None at 212° F at 20%  
 Tensile Strength ASTM 3574, 21 psi min.  
 Elongation ASTM 3574, 125% ±20%

Resistance to  
 Compression Set ASTM 3574 Max 2.5%  
 Mildew Resistance Excellent  
 UV Resistance Excellent  
 Staining None -40 to 185° F  
 Flash Point 590°F

Silicone

Color Gray  
 Durometer Hardness, Shore A 15-25  
 Elongation, Min 1200%  
 Specific Gravity 1.450-1.515  
 Cure Time at 25°C(77°F) 7-14 Days

Product	"X"	"D"	Packaging
PHSL050	1/2	1 1/2	5 Ft. Stick
PHSL062	5/8	1 1/2	5 Ft. Stick
PHSL075	3/4	1 1/2	5 Ft. Stick
PHSL100	1	2	5 Ft. Stick
PHSL125	1 1/4	2	5 Ft. Stick
PHSL150	1 1/2	2	5 Ft. Stick
PHSL175	1 3/4	2	5 Ft. Stick
PHSL200	2	3	5 Ft. Stick
PHSL225	2 1/4	3	5 Ft. Stick
PHSL250	2 1/2	3	5 Ft. Stick
PHSL275	2 3/4	3	5 Ft. Stick
PHSL300	3	3	5 Ft. Stick
PHSL325	3 1/4	3	5 Ft. Stick
PHSL350	3 1/2	3	5 Ft. Stick
PHSL375	3 3/4	3	5 Ft. Stick
PHSL400	4	3	5 Ft. Stick



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